

I claim:

1. A method of bonding a neck to a plastic container, comprising:
providing the container with an opening having a first bonding surface;
5 providing the neck with an opening having a second bonding surface;
providing a foil seal between the first bonding surface and the second bonding
surface;
induction sealing at least one of the first and second bonding surfaces to the foil
seal by using a magnetic field generated by an induction sealing head; and
10 providing a field influencing object near the foil seal to influence a portion of the
magnetic field generated by the induction sealing head.
2. The method of claim 1, wherein the field influencing object is cooled by a
cooling device.
- 15 3. The method of claim 1, wherein the foil seal is bonded to the second bonding
surface before the induction sealing head induction seals the first bonding surface to the foil seal.
4. The method of claim 3, wherein the plastic container is filled with a product
20 before the foil seal is bonded to the second bonding surface.
5. The method of claim 4, wherein a cap is applied to the neck before the foil seal is
bonded to the second bonding surface.
- 25 6. The method of claim 1, wherein the foil seal is provided with a pull-ring for
tearing open the foil seal.
7. The method of claim 1, wherein the field influencing object is a metal object.
- 30 8. The method of claim 1, wherein the field influencing object is a magnetizable
object.

9. The method of claim 1, wherein the field influencing object absorbs the portion of the magnetic field.

10. An induction sealing head for bonding a neck to a plastic container, the container
5 having an opening at least partially surrounded by a first bonding surface, the neck having an opening at least partially surrounded by a second bonding surface, the sealing head comprising;
a magnetic field generator for generating a magnetic field that is to be absorbed
by a foil seal placed between the first bonding surface and the second bonding surface, at least a
portion of the energy created by the absorption of the magnetic field by the foil seal causing the
10 foil seal to be bonded to at least one of the first and second bonding surfaces; and
a field influencing object located near the foil seal to influence a portion of the
magnetic field generated by the magnetic field generator,
wherein, by influencing the portion of the magnetic field, the field influencing
object prevents the portion of the magnetic field from heating the foil seal in a particular area of
15 the foil seal.

11. The sealing head of claim 10, wherein the field influencing object further comprises a cooling device that removes heat from the field influencing object.

20 12. The sealing head of claim 10, wherein the field influencing object is a metal object.

13. The sealing head of claim 10, wherein the field influencing object is a magnetizable object.

25

14. The sealing head of claim 10, wherein the field influencing object absorbs the portion of the magnetic field.

30